

Fig. 1A

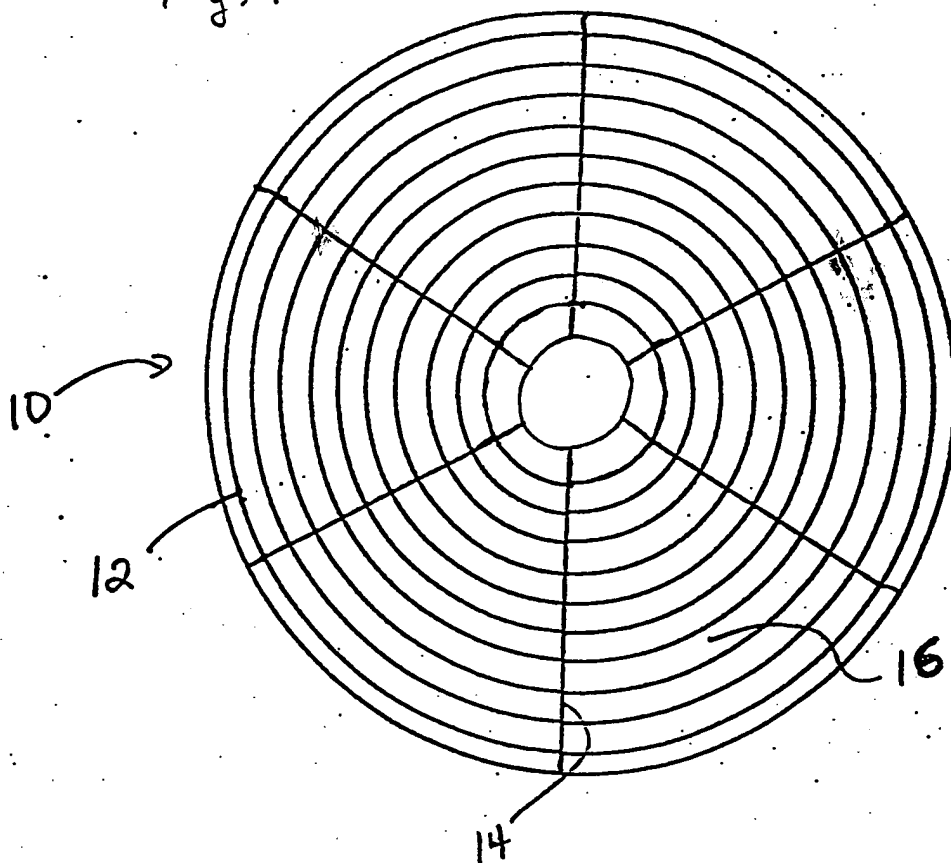
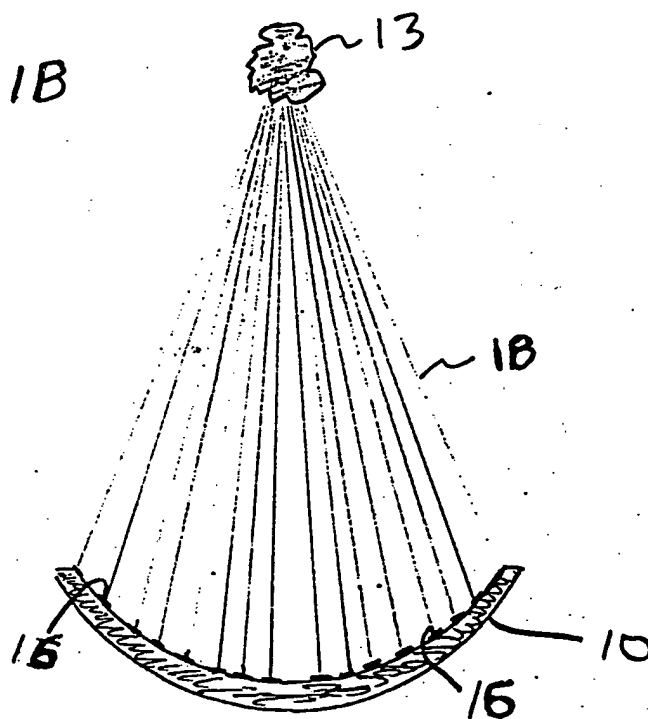


Fig. 1B



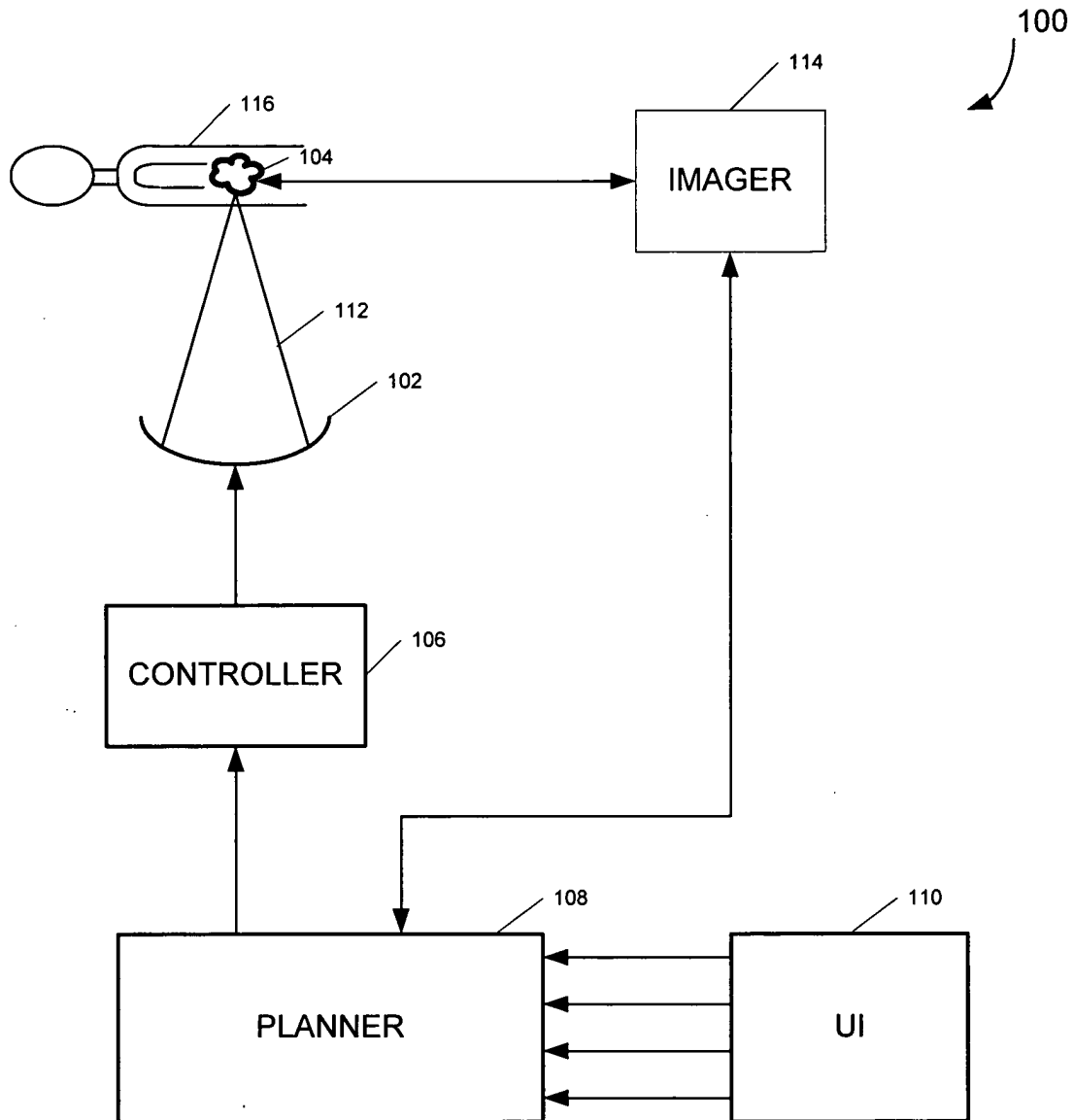


FIGURE 2

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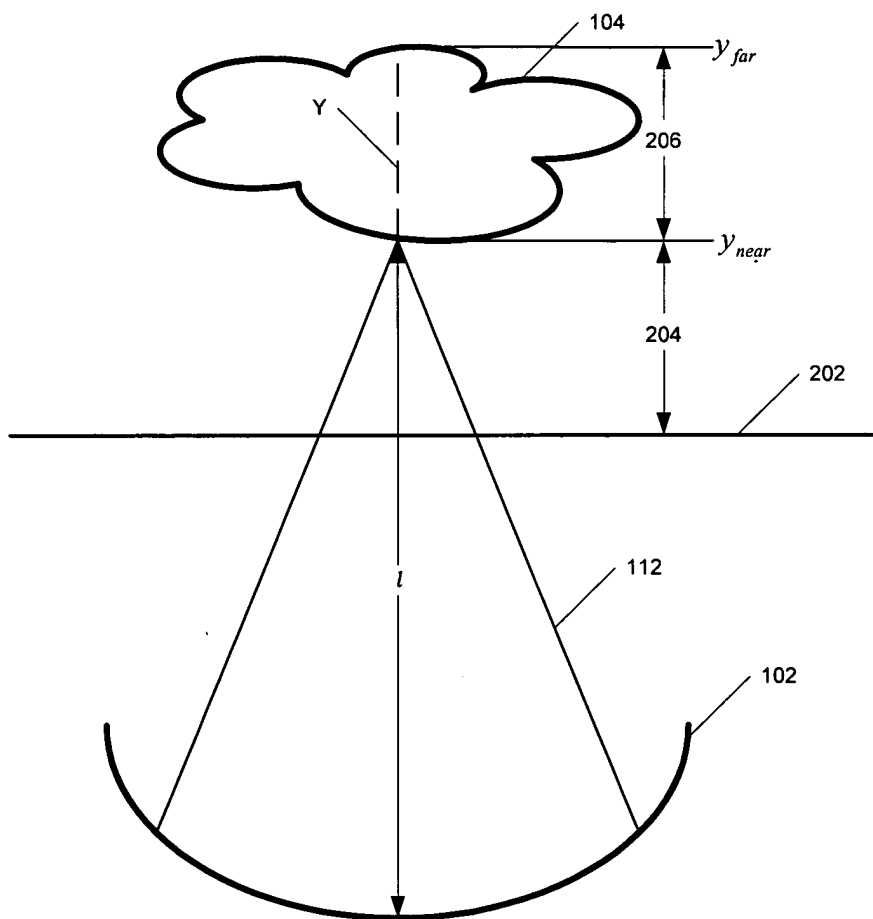
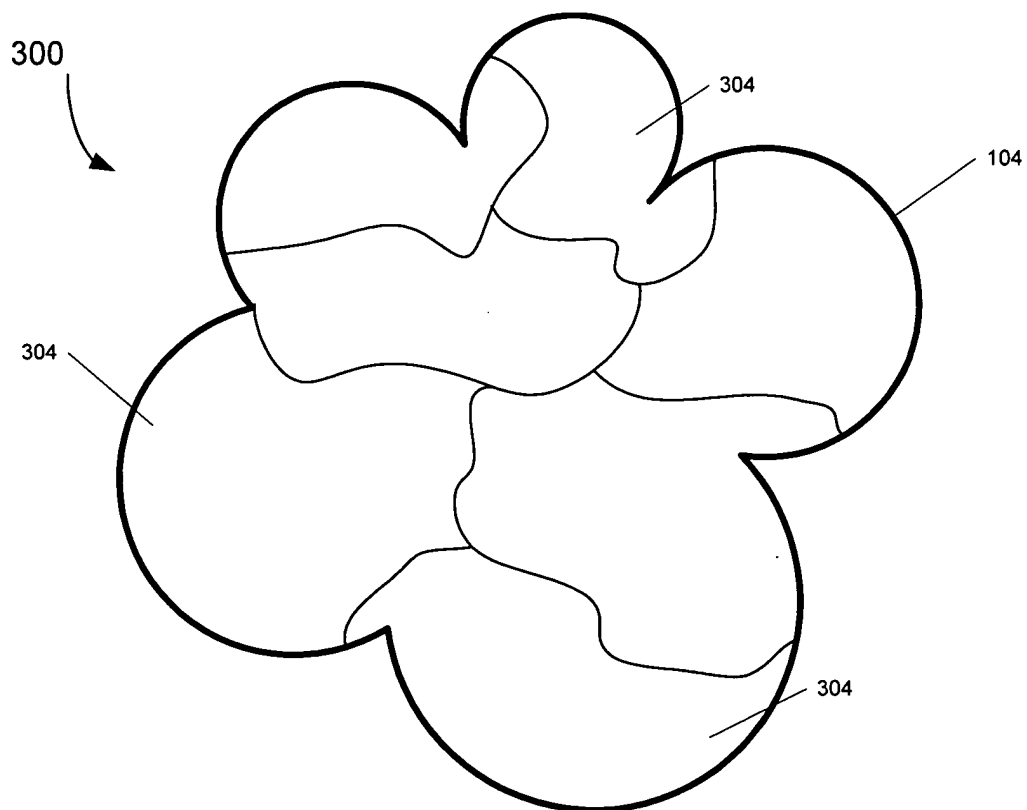
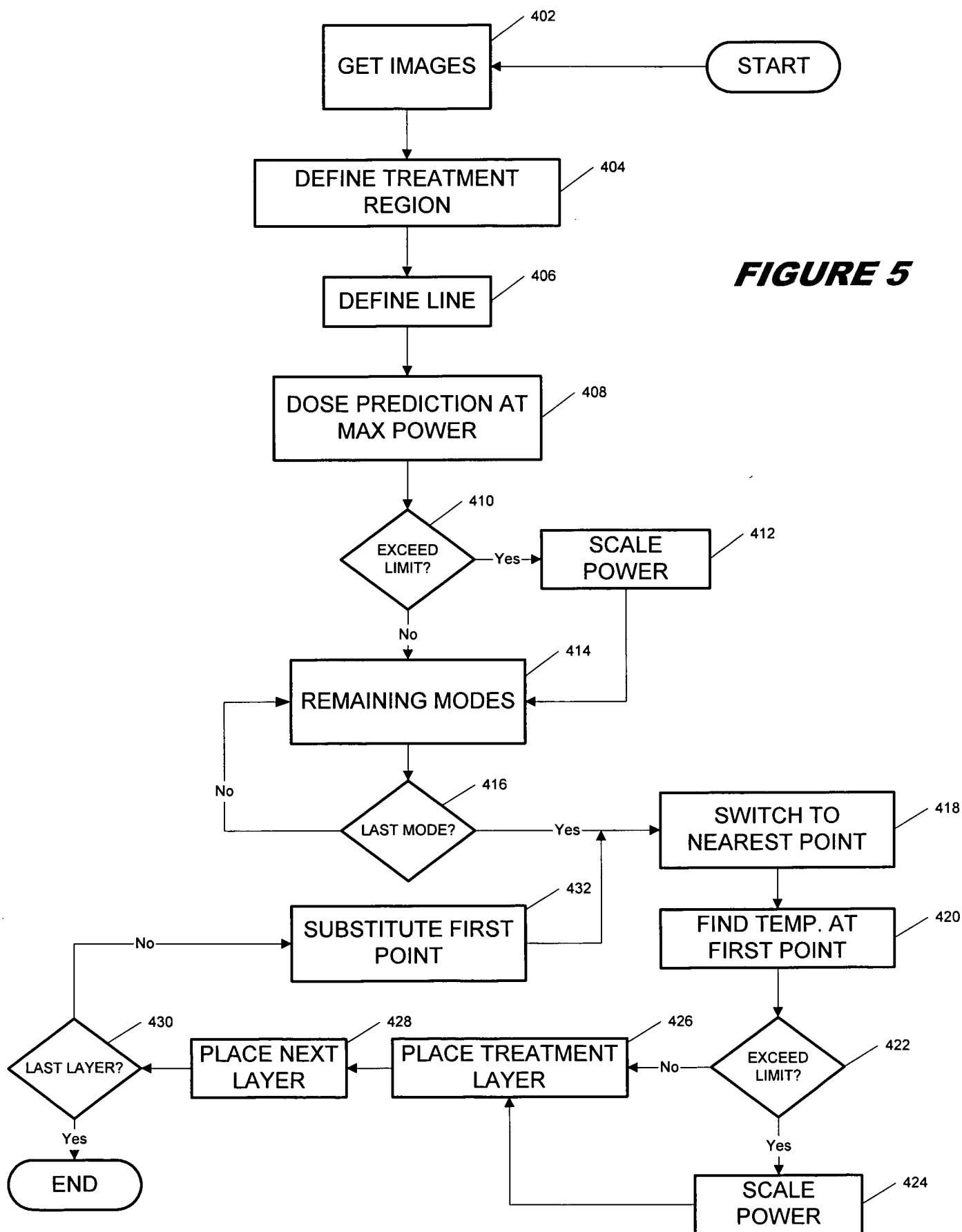


FIGURE 3

**FIGURE 4**



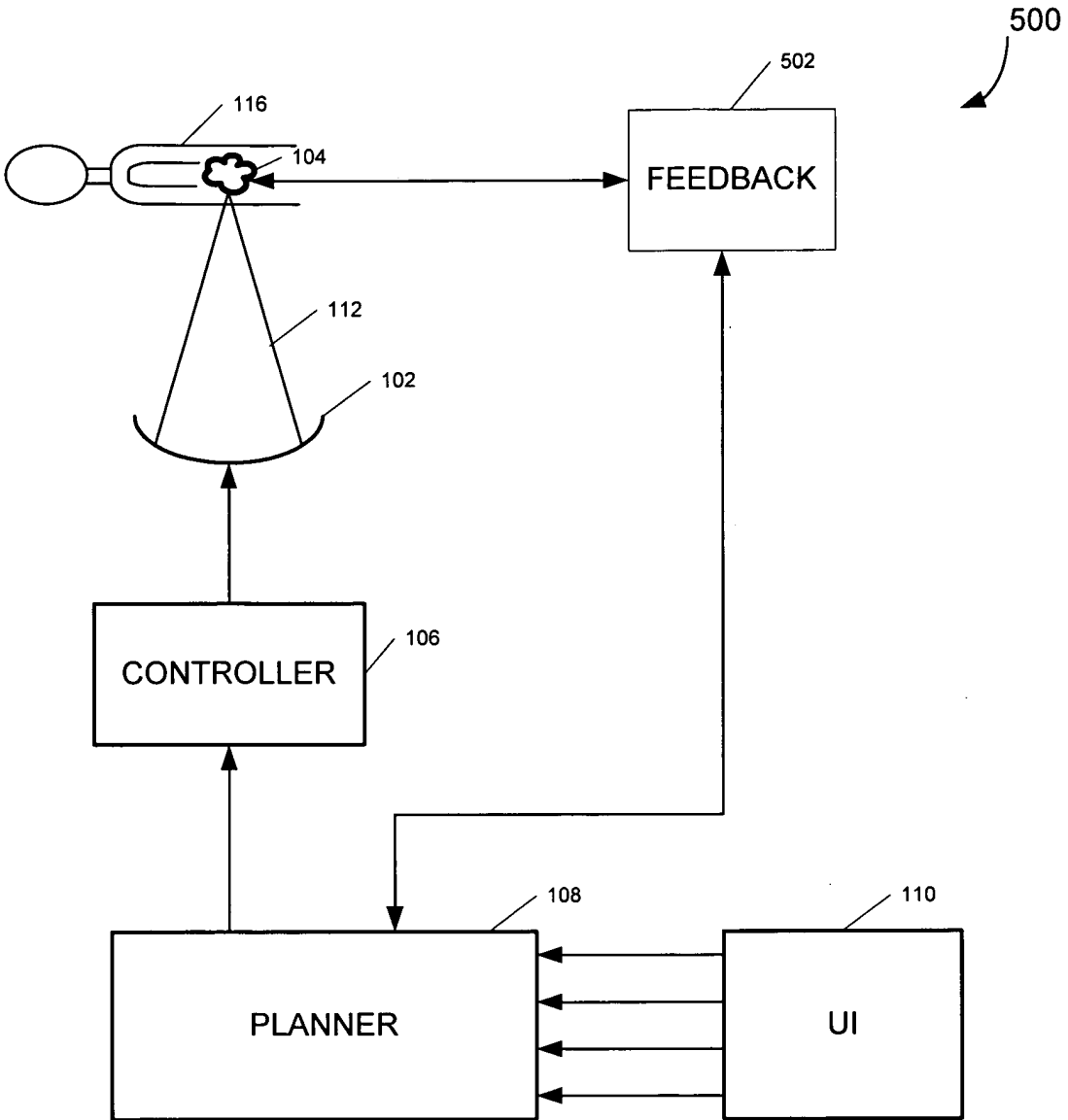
[illegible]

FIGURE 6

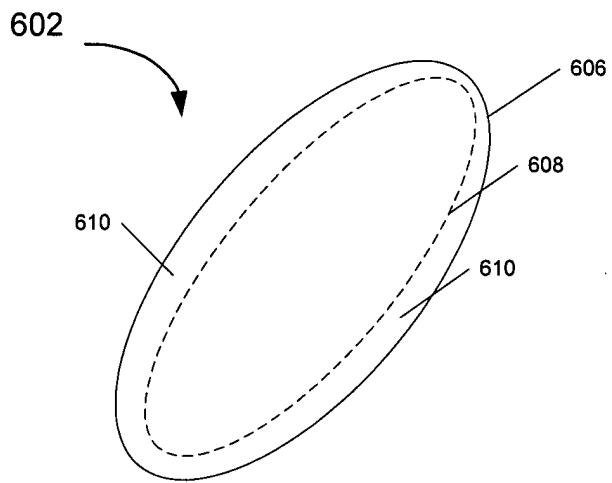


FIGURE 7A

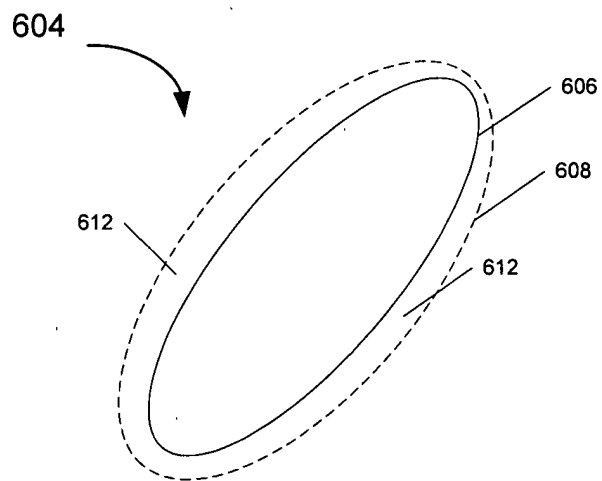
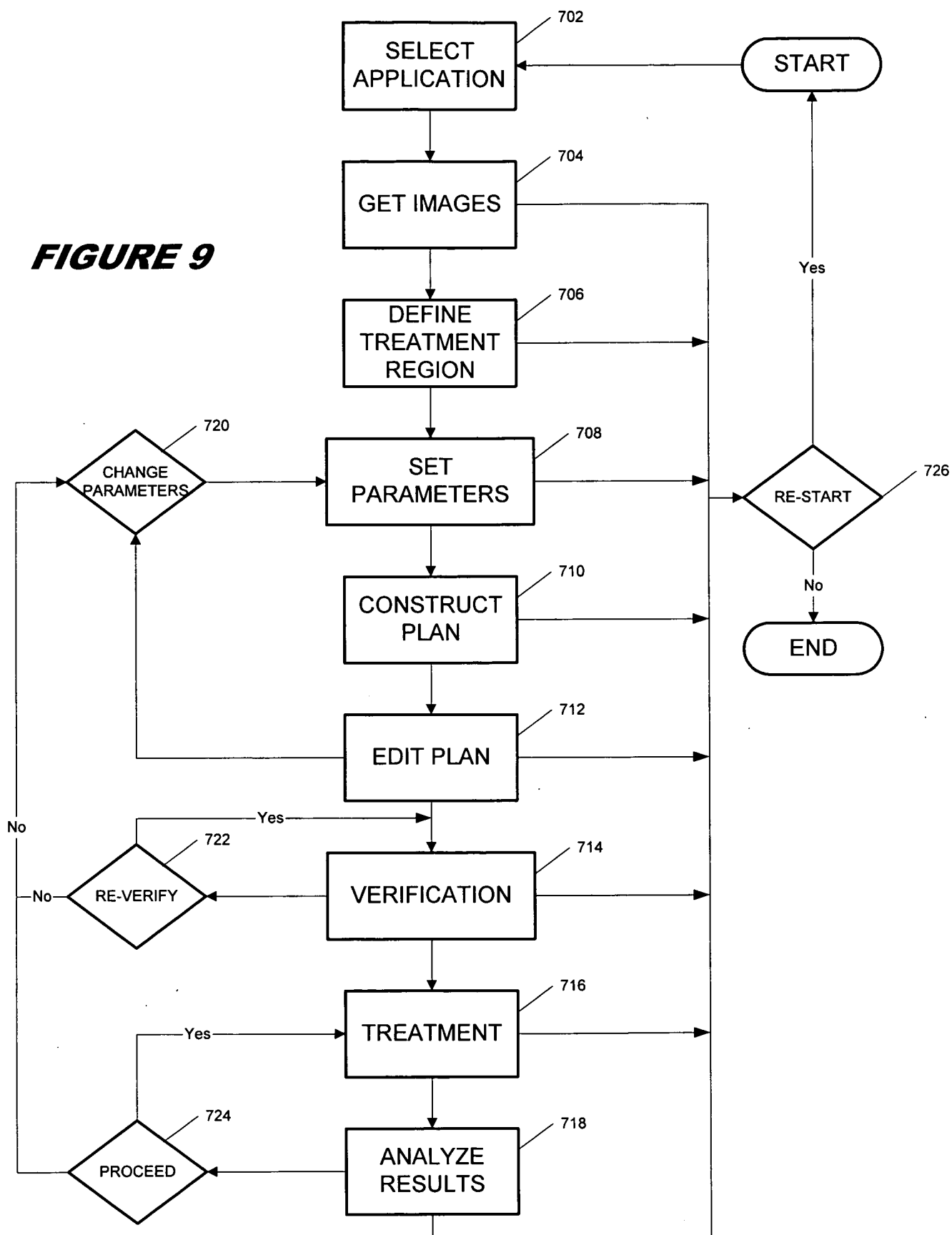


FIGURE 7B

FIG. 6 is a perspective view of a circular substrate 104 showing a dense array of circular elements 614. The elements are arranged in a grid-like pattern, with some elements having dashed outlines. A label 600 points to the overall array.

Figure 8

FIGURE 9



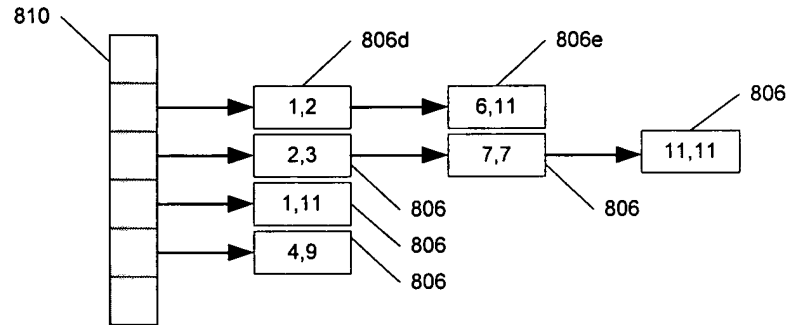
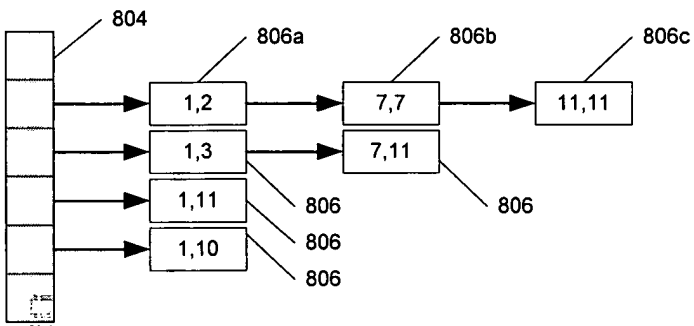
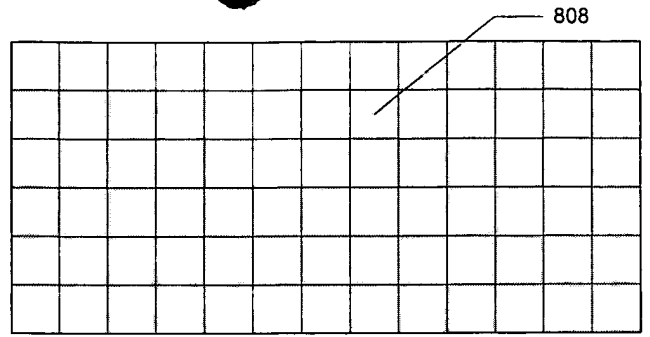
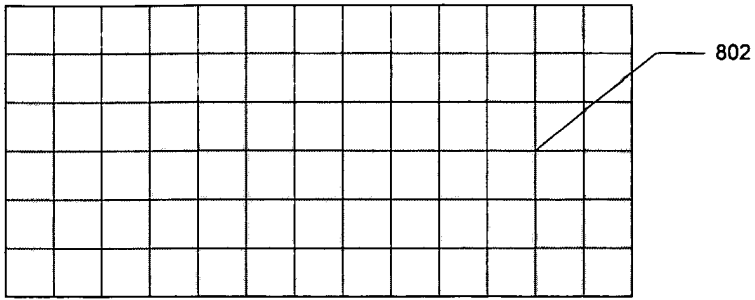


FIGURE 10A

FIGURE 10B

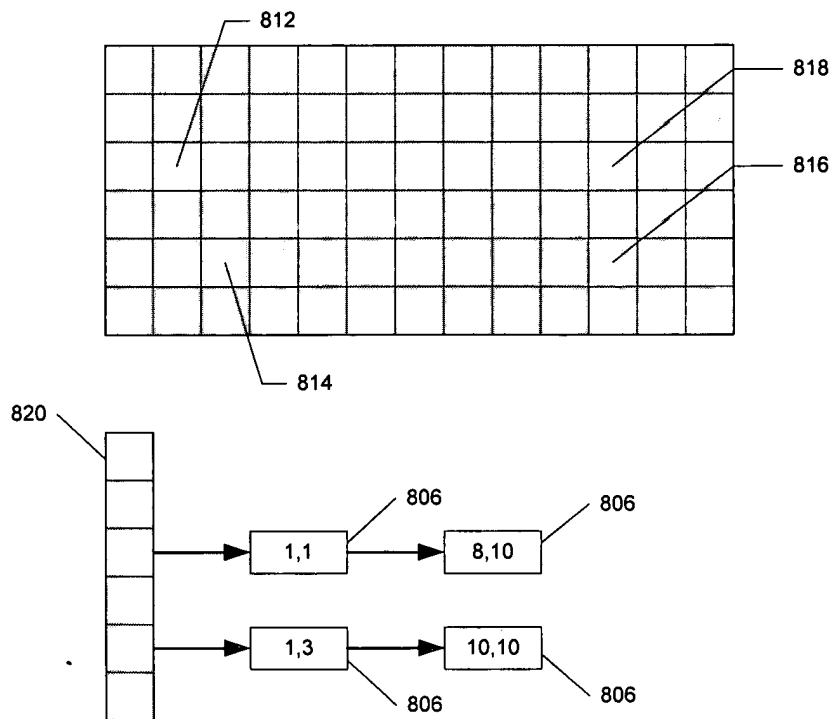


FIGURE 10C

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graph TD; START([START]) -- "Input: Treatment Area" --> D1{Is there an untreated region?}; D1 -- No --> EXIT([EXIT]); D1 -- Yes --> S1[Select an untreated area]; S1 -- "Location" --> S2[Sonicate]; S2 -- "Temperature Images" --> S3[Compute Dose]; S3 -- "Kill Zone" --> S4[Subtract kill zone from treatment area]; S4 -- "Treatment Area" --> D1; S1 <--> 914; S2 <--> 916; S3 <--> 918; S4 <--> 920;
```

The flowchart illustrates a method for treating a target area. It begins with a **START** terminal, leading to an input of a **Treatment Area**. A decision diamond asks, **Is there an untreated region?** If the answer is **No**, the process ends at **EXIT**. If **Yes**, the process proceeds to **Select an untreated area** (labeled 902). This step is associated with a diagram of a target area (labeled 914). The selected area's **Location** is then used to **Sonicate** (labeled 904), which is associated with a diagram of a target area (labeled 916). The sonication produces **Temperature Images**, which are used to **Compute Dose** (labeled 906). This step is associated with a diagram of a target area (labeled 918) showing a white region. The computed dose defines a **Kill Zone**, which is then subtracted from the treatment area (labeled 910). This final step is associated with a diagram of a target area (labeled 920) showing a white region. The resulting **Treatment Area** is then fed back into the decision diamond to check for remaining untreated regions.

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